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PAID

MAY 24 2023

Ck# 1180

Rec't# 56423

Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8765-3</u> Hydrologic Unit <u>10170102</u> Basin <u>Vermillion</u> Newspaper <u>Dail Press & Dakotan 665-7811</u> (office use only)
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Application for Permit to Appropriate Water for Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

- Name to Appear on Irrigation Permit Barry Van Osdel
Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.
Mailing Address 44732 SD Highway 50 Mission Hill SD 57046
(Address) (City) (State) (Zip Code)
Phone _____ Mobile 605-661-4584 Email vanosdelbarry@gmail.com
- Amount of water claimed 1.78 *CFS or 800 **GPM ***AF Total Acreage 84
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply groundwater
- Location of point of diversion 1 well in SE 1/4 NE 1/4 sec 2 T94N - R55W
(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)
County Yankton
- County or counties where water will be used Yankton
- Annual period during which water is to be used May through October 31
- List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>SE 1/4 SE 1/4 sec 2 T94N-R55W</u>	<u>33</u>		
<u>NE 1/4 SE 1/4 sec 2</u>	<u>33</u>		
<u>SE 1/4 NE 1/4 sec 2</u>	<u>18</u>		
		<u>requesting greater div rate than statutory limit</u>	

8. Give a description of the project. (Attach sheet if more space is needed)

The project will include two center pivot systems, both only utilizing half a circle to water approximately 84 acres in sec 2 of T94N-R55W. Both systems will draw groundwater from a well to be located in SE 1/4 of NE 1/4 of sec 2 T94N-R55W at a rate of 800 gpm.

I, Barry Van Osdel, the applicant, certify under
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2021-08

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

RECEIVED

7 mi NE Yankton

MAY 24 2023

OFFICE OF
WATER

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable)

☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled? ☒ Yes ☐ No Drilled by Quality Well Service
(if yes, please provide copies of logs)
- b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____

For either existing or proposed wells:

- c) Well Depth (required) 200 ft Depth to Top of Water Bearing Material 87 ft Depth to Water from Surface 110 ft
- d) Distance to nearest domestic well on applicant's property 200 ft Property owned by others 2000 ft

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address: _____

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

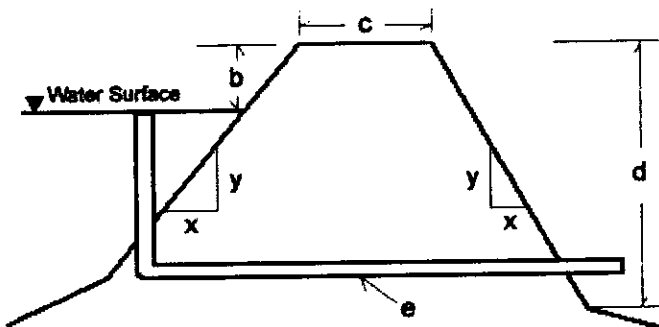
Upstream _____

Downstream _____

h) Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



M&S Irrigation



Grower: Berry Van Osdel

Diversion point



Big Pivot covers 66 Acres

Small Pivot covers 18 Acres